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2020

YOUNG ARCHITECTS FORUM SUMMER DESIGN CHALLENGE

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Greetings A/E/C students of Virginia!

To unify our state's architecture, engineering and construction industries, our Young Architects Forum (YAF) chapter of Hampton Roads, Virginia presents a design competition that challenges students to collaborate and innovate on an unbuilt conceptual project in Norfolk, Virginia.

We call it the "*YAF Hampton Roads Summer Design Challenge*". A cash prize of $1,000 will be awarded to the winning team at the end of the program, funded in-full by the Helene Combs Dreiling FAIA Fellowship.

DESIGN BRIEF

In unprecedented times like these, we all need access to a desirable retreat space while adhering to self-isolation protocols. Much of our modern urban planning and design lack focused attention towards elevating one's personal well-being within our built environments. Many urbanites reside in communities and residences that can be detrimental to their mental health, particularly while enduring prolonged social isolation.

As a way to address this issue, you, the students, will first be placed onto a team. Your team is required to design a collection of ten *self-care virtual immersion isolation pods*, set atop a vacant lot at the intersection of Brambleton Avenue and Granby Street in Downtown Norfolk, Virginia. Additionally, the pods, and their configuration on the site, are to be the gateway of the NEON District.

The main feature of the pods' interior is to be a fully immersive virtual and/or augmented reality experience. This should provide an opportunity for you to explore ways to visualize a seamless virtual environment within the pods.

The pods are required to be completely elevated above the ground level with a maximum height of 25'-0" from grade, and with a minimum ground floor clearance of 8'-0". Students are at full liberty to decide the size and shape of the pods, bearing in mind that 10 pods must be accommodated on the site. Your team is encouraged to design an innovative and efficient structural system, in order to minimize waste in construction and reduce environmental impact. The design shall be ADA compliant and a budget of $550,000.

The teams are encouraged to develop and present an innovative design using recyclable architectural materials, with consideration to growing and harvesting produce and integrating rainwater harvesting on at least 75% of the site. This is an opportunity to design something beautiful that gives back to the imagination of the city and to the NEON District.

Check on page 4 to see if you are eligible to participate in the program.

CLICK HERE TO REGISTER //

REGISTRATION DEADLINE: **Friday June 5th, 11:59 PM**

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INNER WORKINGS

Split into teams
After you register, you will be assigned to a team that will have a minimum of 2 members, or a maximum of 5 members. Your team will be composed of a mixture of interdisciplinary students ranging in architecture, structural engineering and construction management/building sciences.

Team mentors
Each team will be given one mentor, who will be a professional in architecture, engineering, or construction. Your mentor can be used to assist and advise the team in the design process. He/she will also be facilitating the charrette workshop and will be available to help develop your design from the beginning to the final submission.

Jury process
After successful submission of your design entry, the teams will be judged by a jury of seven local professionals, who are inter-mixed within architecture, engineering, construction and a NEON District representative. Further judging criteria of your design is elaborated further within the brief.

DESIGN CONSIDERATIONS BY DISCIPLINE

Architectural
- Inter-collaboration w/ your multi-disciplinary team members is key to success.
- Sustainable strategies in building materials, site landscaping, solar design, and water management.
- How to best represent and layout the idea of your design on the digital presentation board.

Structural
- Think how to graphically illustrate your structural work.
- How structural details change the dynamic of the design.
- Consider the lateral load path and specify/design the lateral system accordingly.

Construction
- Do your best to keep the cost of construction within the aforementioned budget.
- Find creative construction techniques that will highlight the materials and design.
- Environmentally sustainable means and methods of construction.

ACTIVITIES OUTLINE

1. **An info kick-off webinar** will formally launch the program. The purpose of the webinar is to run-through the intention and requirements of the design brief, and to virtually visit the project site. This kick-off will also be the time where you will meet your team and your team's mentor. You will have access to attend the webinar upon registering for the SDC.

2. **A charrette workshop** with your team will be facilitated by your team mentor. This will take place virtually, and on a separate day following the kick-off webinar. Prior registration is required. An example of how your mentor can format your workshop:

   Icebreaker → Review Design Brief → Ask Questions to Mentor → Brainstorm/Charrette Design Ideas → Develop Conceptual Statement of Intent

3. **An awards ceremony** will be streamed live and held two weeks after the submission deadline. The jury will select the winning team based on the *Design Considerations by Discipline,* shown above, and the *Submission Criteria* section, outlined further in the brief. The winning team will then be awarded a cash prize of $1,000, donated in-full by the Helene Combs Dreiling FAIA Fellowship. The submissions will be exhibited on the AIA Virginia website.

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PROGRAM TIMELINE

Friday June 5	**Registration Deadline**
Thursday June 11	**Program Kick-off Webinar**
Saturday June 13	**Design Charrette Workshop** *(Mandatory)*
June 15-30	**Period to Ask Questions**
Monday July 13	**SUBMISSION DEADLINE**
Tuesday July 14-24	**Jury Deliberation**
Saturday August 1	**Awards Ceremony // Winners Announced!**

ELIGIBILITY

Must be an undergraduate or graduate student, *currently enrolled* in a Virginia college or university, studying architecture, structural engineering, building sciences, construction management, or any related fields of study. If in undergrad, you must be a rising 3rd year or above.

*Must register using your college email address.

*Recent graduates are not eligible to register, unless you will be enrolled this fall.

*Your school's accreditation status is not relevant.

SUBMISSION CRITERIA

WHAT TO SUBMIT // REQUIRED DELIVERABLES:
There are to be four submittal items in total:

1. One presentation board that shall be 30"x40" landscape layout in *digital PDF format only*. No larger than 25MB.
2. Written description of design intent, 250 words max *(Word doc).*
3. Structural analysis *(PDF file).*
4. Construction schedule and a staging diagram *(PDF files).*

On the Board
- Visualization of Design Concept (see "By Discipline" section).
- Structural Detail and/or Wall Detail.
- Label / diagram building materials and other site design features.
- Estimated Cost of Construction.
- QR code/external links added on board will not factor in selection.

Off the board (on separate attachments):
- Written Description: 250 words of design intent and concept.
- Structural analysis: lateral load path, and design the lateral system.
- Construction Staging Diagram and preliminary project schedule.

REGISTER ONLINE HERE >> Registration Form Here

ASK QUESTIONS TO >> yafsdc@gmail.com

EMAIL FINAL SUBMISSION HERE >> yafsdc@gmail.com

BY DISCIPLINE:

Architectural:
- Visualization of Design Concept, can include: floor plans, site plan, sections, elevations, renderings, etc.
- Designate a feature or zone on the site for an artist of the NEON District to contribute to the site.

Structural:
- A structural set of drawings which has been coordinated with the architectural design concept: This may include any plans, sections and details.
- Specify and diagram the lateral system for the structure. Must be compatible with architectural design concept.
- Design a proper foundation system for the structure. Must be compatible with the architectural design.

Construction:
- Provide a schematic cost estimation of construction.
- Develop a preliminary project schedule.
- Visually indicate strategy of staging (construction staging diagram).

SUBMISSION DEADLINE: **Monday July 13th, 11:59 PM**

BRAMBLETON AVE

GRANBY ST

NORFOLK SCOPE

SITE

BRAMBLETON AVE

GRANBY ST

Site Address:
707 Granby Street, Norfolk, Virginia 23510
USA

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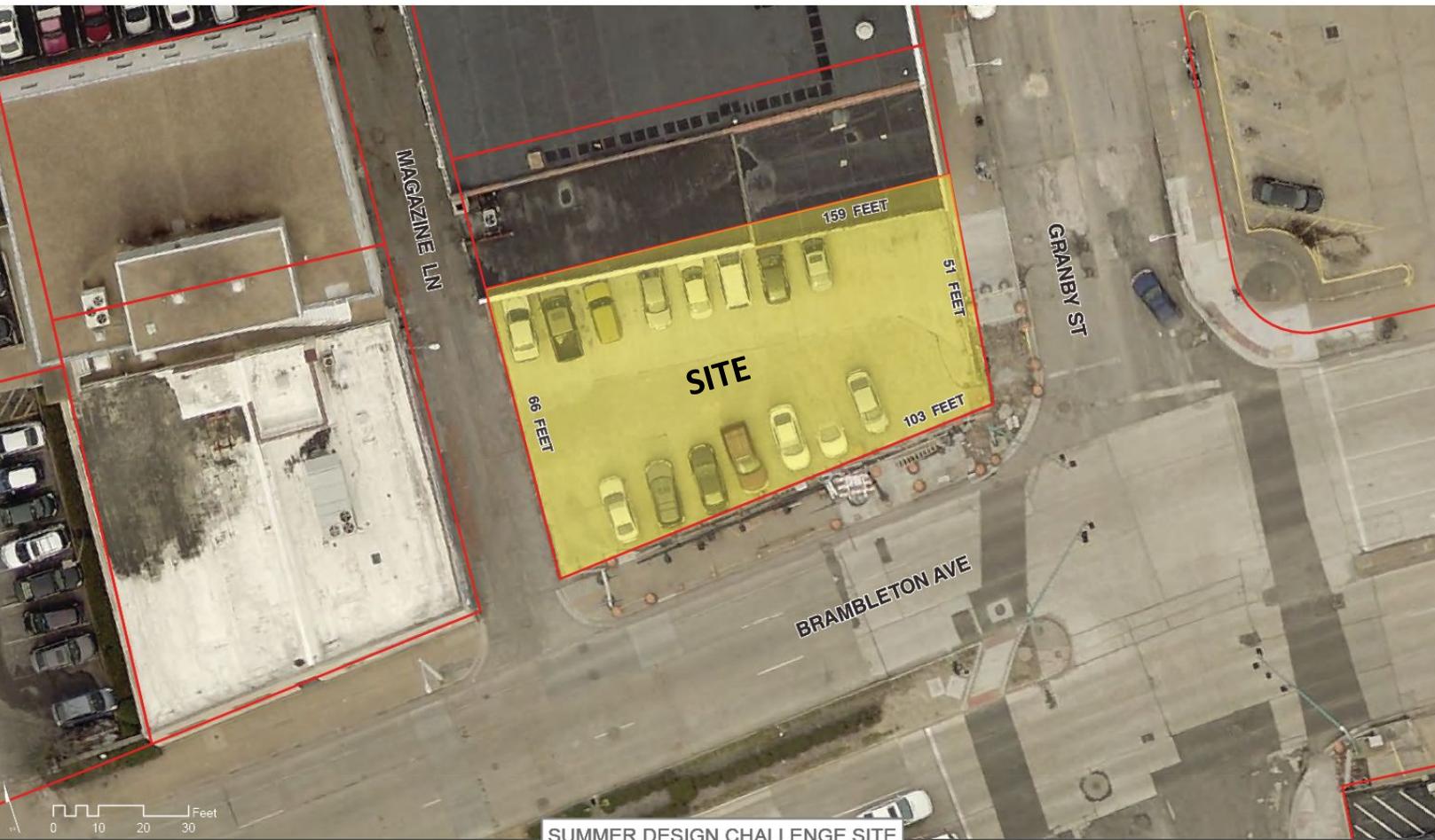
ADDITIONAL RESOURCES

Site Address:
707 Granby Street, Norfolk, Virginia 23510

Interactive Norfolk GIS Map:
https://www.norfolk.gov/1605/Interactive-Norfolk

Site on Bing Maps:
shorturl.at/rMQV8

Site on Google Maps:
shorturl.at/dhiuV

Case study of conceptual virtual environment:
http://www.factoryfifteen.com/project/somewhere